Building Services Fee Schedule

Informational Handout

Construction Types Defined

Type I (A&B) & Type II (A&B)

Types of construction in which the building elements such as columns, girders, trusses, exterior bearing walls, interior bearing walls, floor construction, and roof construction are required to be noncombustible and protected by fire rated construction depending on the height and area of the building. Fire rated construction ensures that the building elements can withstand the extreme temperatures of a building fire without causing failure to the structural system of the building in a predetermined time frame ranging from 0 to 3 hours. Metal, masonry and concrete buildings normally fall into this classification.

Type III (A&B)

Type of construction in which the exterior walls are of noncombustible materials and the interior building elements such as floor construction and roof construction are permitted to be of any material permitted by the building code such as wood. Depending upon on the height and area of the building interior and exterior building elements are required to be protected by fire rated construction ranging from 0 to 1 hour of protection. Buildings with exterior walls of metal, masonry and concrete with floors and roofs constructed of wood normally fall into this classification.

Type IV

Type of construction in which the exterior walls are of noncombustible materials such as masonry and the interior building elements such as floor construction and roof construction are of post and beam construction. Exterior walls are required to be 2 hour fire rated construction and interior walls are required to be heavy timber or 1 hour fire rated construction.

Type V (A&B)

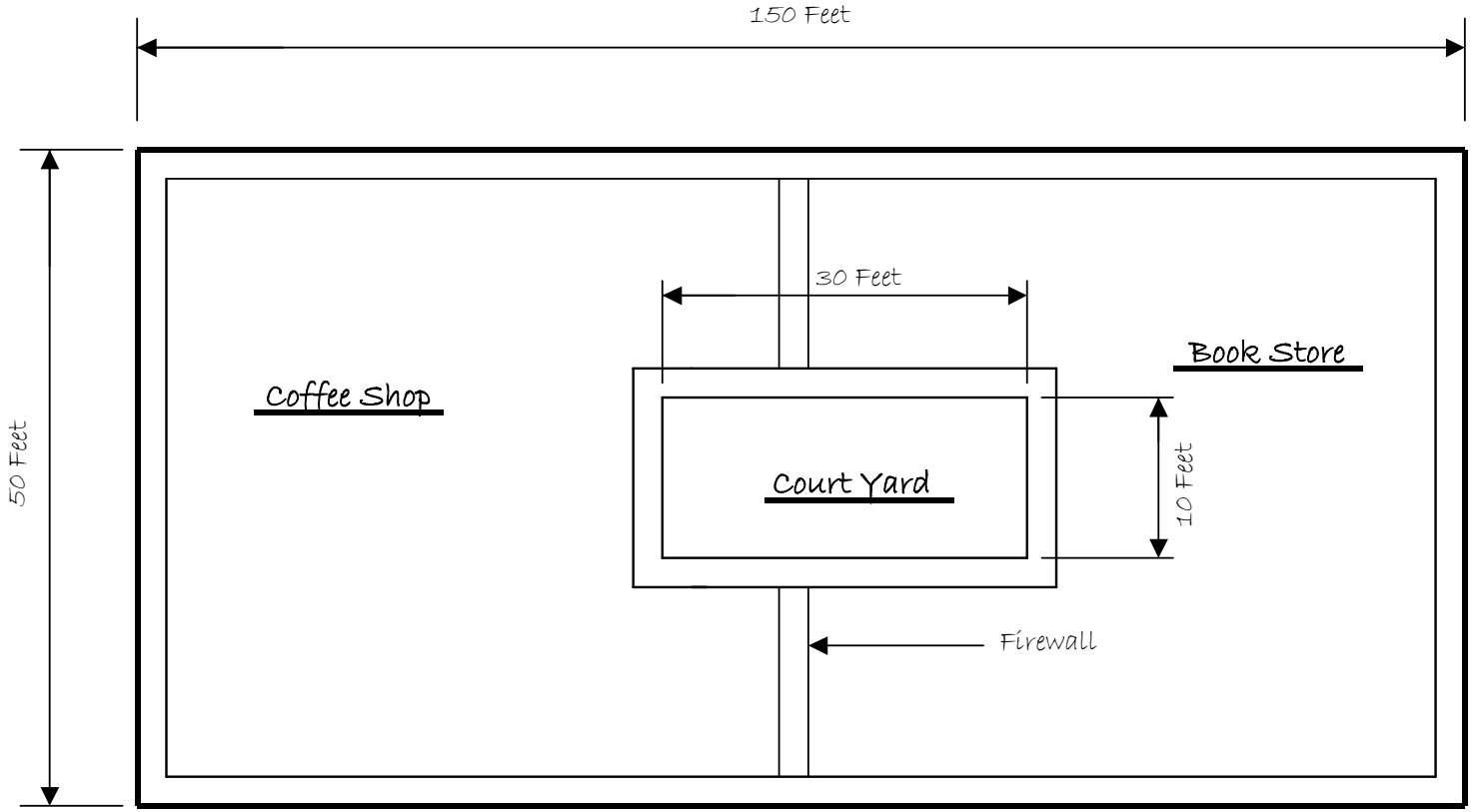
Type of construction in which the structural elements, exterior walls and interior walls are of any material permitted by the building code. Buildings entirely of wood frame construction normally fall into this classification. Single-family dwellings of brick veneer and vinyl/wood siding are normally Type V construction.

How do you calculate the cost of a Catawba County Building Permit?

Process/Steps

1) Define square footage.
2) Identify building type in Table A.
3) Identify building use in Table A.
4) Determine Catawba County Square Foot Multiplier from Table A.
5) Calculate permit fee by multiplying Step1 X Step 4.

Gross Area = the area included within surrounding exterior walls, or exterior walls and fire walls exclusive of courts.



Floor Plan

No Scale

150 x 50 = 7,500 Square Feet.

Court Yard is 30 x 10 (300) Square Feet.

The Gross area for this building is 7,500 square feet minus the Court Yard (300 Sq. ft.) = 7,200 square feet.

Firewall separates different occupancies regardless of ownership.

Table A Catawba County Square Foot Multiplier

Group[b]	(2003 International Building Code)	Type of Construction								
		IA	IB	IIA	IIB	IIIA	IIIB	IV	VA	VB
A-1	Assembly, theaters, with stage	0.727	0.693	0.678	0.649	0.604	0.601	0.629	0.560	0.539
	Assembly, theaters, without stage	0.671	0.638	0.622	0.594	0.549	0.546	0.573	0.504	0.484
A-2	Assembly, nightclubs	0.535	0.520	0.507	0.488	0.457	0.451	0.470	0.416	0.402
A-2	Assembly, restaurants, bars, banquet halls	0.531	0.516	0.498	0.484	0.448	0.447	0.466	0.407	0.398
A-3	Assembly, churches	0.406	0.386	0.377	0.360	0.333	0.331	0.579	0.306	0.294
A-3	Assembly, general, community halls, libraries,	0.542	0.506	0.485	0.462	0.412	0.413	0.441	0.368	0.352
A-4	Assembly, arenas	0.531	0.516	0.498	0.484	0.448	0.447	0.466	0.407	0.398
B	Business	0.407	0.392	0.379	0.362	0.323	0.321	0.463	0.288	0.277
E	Educational	0.290	0.281	0.273	0.261	0.240	0.235	0.504	0.258	0.248
F-1	Factory and industrial, moderate hazard	0.235	0.224	0.210	0.204	0.176	0.179	0.279	0.150	0.143
F-2	Factory and industrial, low hazard	0.232	0.221	0.210	0.201	0.176	0.176	0.275	0.150	0.140
H-1	High Hazard, explosives	0.316	0.300	0.285	0.271	0.237	0.237	0.259	0.200	N.P.
H234	High Hazard	0.316	0.300	0.285	0.271	0.237	0.237	0.259	0.200	0.185
H-5	HPM	0.542	0.523	0.506	0.482	0.430	0.428	0.463	0.384	0.369
I-1	Institutional, supervised environment	0.270	0.260	0.253	0.243	0.223	0.223	0.471	0.205	0.197
I-2	Institutional, incapacitated	0.453	0.443	0.435	0.423	0.397	N.P.	0.827	0.373	N.P.
I-3	Institutional, restrained	0.312	0.302	0.294	0.282	0.259	0.256	0.545	0.236	0.224
I-4	Institutional, day care facilities	0.270	0.260	0.253	0.243	0.223	0.223	0.471	0.308	0.295
M	Mercantile	0.299	0.288	0.275	0.264	0.238	0.238	0.334	0.208	0.201
R-1	Residential, hotels	0.544	0.526	0.512	0.491	0.451	0.451	0.477	0.415	0.399
R-2	Residential, multiple family	0.454	0.435	0.421	0.401	0.362	0.361	0.387	0.326	0.309
R-3[d]	Residential, one- and two-family	0.435	0.423	0.413	0.401	0.382	0.381	0.395	0.364	0.338
R-4	Residential, care/assisted living facilities	0.539	0.521	0.507	0.486	0.446	0.446	0.471	0.410	0.394
S-1	Storage, moderate hazard	0.187	0.177	0.166	0.160	0.137	0.140	0.255	0.115	0.108
S-2	Storage, low hazard	0.184	0.175	0.166	0.157	0.137	0.137	0.250	0.115	0.106
U	Utility, miscellaneous[a]	0.237	0.224	0.210	0.200	0.173	0.173	0.189	0.143	0.136

a. Private Garages are group U.

b. Unfinished basements use 0.072 as the Catawba County Square Foot Multiplier.

c. N.P. = Not Permitted - These use Groups are not permitted in these Construction Types.

d. Building Permits will be affected by $10,00 surchage effective August 1, 2003 as mandated by Senate Bill 321 - "Homeowners Recovery Fund" (G.S. 87-15.b)

How do you calculate the cost of a County Building Permit for constructing a new 1,788 square foot brick veneer home?

Process/Steps

1. Define square footage ..... 1,788 Sq.Ft.
2. Identify building type in Table A ..... VB
3. Identify building use in Table A R3
4. Determine Catawba County Square Foot Multiplier Table A 0.338
5. Determine permit fee by multiplying step1 (1,788 Sq.Ft.) X step 4 (0.338)

Permit Fee = $604.34

The following are other examples:

Apartments 8-unit (R2) (VB)

This represents a majority of Apartments built in Catawba County

Permit Fee

7,200 sq. ft. x 0.309 (Catawba County Square Foot Multiplier)

= $2,224.80

Dental Office (B) (VB)

Permit Fee

2,730 sq. ft. x 0.277 (Catawba County Square Foot Multiplier)

= $756.21

Medical Facility (B) (IIB)

Permit Fee

9,170 sq. ft. x 0.362 (Catawba County Square Foot Multiplier)

= $3,319.54

Drug Store (M) (IIB)

Permit Fee

14,248 sq.ft. x 0.264 (Catawba County Square Foot Multiplier)

= $3,761.47

Warehouse (S-1) (II-A)

Permit Fee

20,000 sq. ft. x 0.166 (Catawba County Square Foot Multiplier)

= $3,320.00

Factory (F-1) (IIB)

Permit Fee

20,000 sq.ft. x 0.204 (Catawba County Square Foot Multiplier)

= $4,080.00

Assembly, Church (A-3) (II-B)

Permit Fee

18,496 sq. ft. x 0.360 (Catawba County Square Foot Multiplier)

= $6,658.56